

CHRIS W. BIGENHO, PhD
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PORTFOLIO: <http://www.dlp4success.com/portfolios/chris/index.htm>

EDUCATIONAL HISTORY

The University of North Texas, Denton, TX
Doctor of Philosophy in Computer Education and Cognitive Systems
December 2011

Pepperdine University, Malibu, CA
Master of Arts in Educational Technology
July 2005

National University, Los Angeles, CA
Teaching Certification
Completed 1992

University of California, Santa Barbara, CA
Bachelor of Arts in Music and Environmental Studies
June 1987

RESEARCH INTERESTS

My research interests in education and technology fall broadly into four tracks: (a) Emerging technologies in learning environments, (b) Cognitive aspects of technology in learning environments, (c) Narrative based alternate reality games as learning environments, and (d) Teacher professional development through action research. Additionally, work in these four areas has led me to preliminary questions concerning: self-regulated learning, synergistic knowledge, and student efficacies and attitudes towards learning with technology.

SUPERVISORY EXPERIENCE

Director of Educational Technology

Greenhill School- Upper School Science, Dallas, TX, 1998 – present

- Oversee all aspects of learning technologies at the school
- Managed budget in excess of \$500,000 annually
- Develop and analyze research survey instruments to help guide future programming and address strategic planning initiatives
- Train faculty and staff in technology and pedagogical practices for teaching with technology
- Cultivate professional development opportunities for over 250 employees
- Coordinate and manage projects in all areas of technology at Greenhill School
- Planned and managed all aspects of educational technology component in construction of new lower school and upper school additions

Owner

DLP Consulting, Wylie, TX, 2006 – present

- Educational consulting in learning technologies, professional development, 21st century practices, and curriculum design
- Keynote and featured speaker at local, national, and international conferences
- Plan, develop and execute special projects for clients in educational technology
 - Chief architect of NAIS Classrooms of the Future 2008 and 2009
 - Coordinate groups of volunteers from across the country to work the Classrooms of the Future experiential classroom at the Annual Conference
 - Architect of NAIS Annual Conference Online Community 2009—2011
 - Technology advisor for NAIS Virtual Science Fair program 2010
- Conduct technology audits and educational technology audits for educational institutions
- Develop and conduct workshops for educators in the United States and South America
- Develop learning objects to help teachers become aware of learning affordances in New and Social Media
- Served as accreditation consultant for private school seeking multiple accreditations

Science Chair, Computer Science Chair

Lawrence Middle School, Los Angeles Unified School District, Chatsworth, CA, 1988 – 1994

- Supervised 8 science teachers and 2 computer teachers
- Managed budgets for both departments meeting state and district requirements for budgeting and purchasing
- Conducted regular meetings with staff with purpose of moving department to a hands-on approach to teaching science

TEACHING, TRAINING AND CURRICULUM DEVELOPMENT EXPERIENCE

Teaching Fellow- Department of Learning Technologies

University of North Texas, Denton, TX, 2008 - present

- Teach online undergraduate computer applications course in an Alternate Reality Game format
- Assist with design of new iterations of course
- Assist with research stemming from teaching the course. Research focus on pedagogical approaches, student self-regulation and instructional design.

Director of Educational Technology

Greenhill School- Upper School Science, Dallas, TX, 1998 – present

- Develop and share vision of blended educational technology with divisional computer teachers working with them to modify curriculum to new vision
- Co-developer of New Teacher Induction Program
- Train divisional computer teachers on new and emerging technologies
- Through one-on-one sessions, workshops and special sessions, train classroom teachers on effective use of technology as a cognitive tool in their teaching
- Develop and deliver computer application workshops to faculty and staff
- Work closely with teachers in all divisions to develop new lessons that harness the cognitive and collaborative power of technology- model teaching with technology
- Conduct outreach programs for parent community on Internet safety and other technology related topics
- Present at local, regional and national meetings and conventions

Science Teacher

Greenhill School- Upper School Science, Dallas, TX, 1996 – present

- Teach: Biotechnology, Physics, Advanced Placement Environmental Science, Biology, Geology, Anatomy and Physiology
- Train teacher in use of application software, CBL's, Vernier probes and Multimedia use in class projects
- Present at national meetings and conventions

Adjunct Faculty- School of Education

Brenau University, Gainesville, GA, 2007 – present

- Teach graduate level educational technology courses for MAT program
- Develop and update online course delivered through Blackboard

Independent Contractor- Ice Skating Instructor

Star Center/Ice Bound, Dallas, TX, 1999 – 2004

- Ice skating instructor for all levels of figure skating and hockey power skating- over 15 students at any given time
- Track progress of clients developing personal training plans to meet personal goals
- Choreograph skating programs for skating students entering local and regional competitions
- Develop off- ice training for advanced students

General Manager

Iceoplex- Addison, TX, 1995- 1996

- Develop new curriculum and teaching techniques, training professional staff in Iceoplex skating school curriculum
- Teach skating classes within the skating school

Instrumental Music Teacher

J.Q. Adams, W.A. Blair and R.C. Burluson schools, Dallas Independent School District

Dallas, TX, 1994 – 1995

- Implemented new instrumental music program in three elementary schools that did not have an existing program.
- Acquired instruments for the program at J.Q. Adams elementary school through local fundraising efforts.

Science Chair, Computer Science Chair, Instrumental Music Teacher

Lawrence Middle School, Los Angeles Unified School District, Chatsworth, CA, 1988 – 1994

- Taught Physical and Earth Science, Ecology, Computer Science, Instrumental Music
- Coached Science Olympiad, Academic Pentathlon
- Lead Outdoor education trips for groups up to 90
- Co-authored a winning \$26,000 grant proposal for the use of appropriate technology in the science classroom

Science Teacher

Northridge Junior High, Los Angeles Unified School District, Northridge, CA, 1987 – 1988

- Taught Life Science, Health
- Coached Science Olympiad

CERTIFICATIONS

- Texas Teaching Certificate in Music: All Levels; Earth Science- Secondary, Texas Education Agency, 1995
- Washington State Teaching Certificate in Music: K-12; Science: 4-12; Biology: 4-12, Washington Superintendent of Instruction, 1994
- California Professional Clear Single Subject Teaching Credential; Life Science; Instrumental Music; Introductory Music, State of California Commission on Teacher Credentialing, 1990

PUBLICATONS

Bigenho, C. (2012). Self-regulation, Alternate Reality Games and PBL: Are students ready to play to learn? [Accepted] *American Educational Research Association*, 2012.

Bigenho, C. and Lin, L. (2012). Multi-tasking in the classroom: Does chatting with friends on the computer affect understanding of a lecture? [Accepted] *American Educational Research Association*, 2012.

Bigenho, C. (2011). Student reflections as artifacts of self-regulatory behaviors for learning: A tale of two courses. (Doctoral dissertation, University of North Texas, Denton, 2011).

Lin, L. and **Bigenho, C.** (2011). Cognitive Note-taking and memory in different media environments *Computers in the Schools*, 28(3), 200-216.

Warren, S., Dondlinger, M., McLeod, J., & **Bigenho, C.** (2011). Opening The Door: An evaluation of the efficacy of a problem-based learning game. *Computers & Education*, 58, 397-412.

D'Alba, A., Najmi, A., Gratch, J., & **Bigenho, C.** (2011). Virtual learning environments. The oLTECx: A study of participant attitudes and experiences. *International Journal of Gaming and Computer-Mediated Simulations*, 3(1), 33-50.

Lin, L. and **Bigenho, C.** (2010). Cognitive Load in Different Media Environments: When Does Note-taking Help Memory Recall? *Society for Information Technology and Teacher Education*, March 2010.

Bigenho, C. (2009). Proposed theory of developing synergistic knowledge. *American Educational Research Association*, 2010. Paper based on unpublished paper: Developing synergistic knowledge and its implications on distributed learning environments, Bigenho, C. (2008).

Bigenho, C. Najmi, A. and Alajmi, M. (2009). Virtual orientation environment: A pilot study of participant attitudes and experiences. *American Educational Research Association*, 2010.

Bigenho, C. (2009). Mining for gold: RSS technologies find the nuggets for you. *Learning & Leading with Technology*, 36(6), 18-19.

Lin, L. & **Bigenho, C.** (2009). Note-taking, cognitive load and word recall in different media environments. *American Educational Research Association*, 2010.

SERVICE

ISAS TEDx Youth Committee Member, 2010-2011
ISAS Technology Directors Conference Host and Committee Member, TX, 2009 - 2010
NAIS Technology Taskforce, 2007 - present
Texas Blackboard Users Group Annual Conference Committee Member, Nacogdoches, TX 2009
ISAS Accreditation Team Albuquerque Academy, Albuquerque, NM, 2009
Texas Blackboard Users Group Annual Conference. Conference Chair. Dallas, TX 2007
ISAS Biannual Teacher Conference. Planning Committee. Houston, TX 2007
ISAS Accreditation Team Colegios Peterson Schools, Mexico City, 2006
ISAS Accreditation Team Wichita Collegiate School, Wichita, KS, 2000
TxDLA Annual conference 2005 Co-chair of conference website. Fort Worth, TX, 2005

PROFESSIONAL ASSOCIATIONS

Association of Educational Communication and Technology
Texas Distance Learning Association
International Society for Technology Educators
American Educational Research Association
Society for Information Technology and Teacher Education

PROFESSIONAL PRESENTATIONS

2011

Bigenho, C. (2011, November). Continuing the Metamorphosis with Web 2.0. Workshop at Texas Blackboard Users Group annual meeting, Richardson, TX.

Bigenho, C. (2011, June). Digital Portfolios. Session at SummerSpark, Arlington, TX.

Bigenho, C. (2011, May). Digital Storytelling through digital Threads. Session at EdCamp Plano, TX.

Bigenho, C. (2011, May). Cognitive Load and Multi-tasking. Session at EdCamp Plano, TX.

Kahn, L., **Bigenho, C.** and Davis, S. (2011, February). Disrupt the old discourse: Leveraging a faculty's personal learning communities. Presentation at National Association of Independent Schools Annual Conference, National Harbor, MD.

2010

Bigenho, C. (2010, June). Twitter goes to school: Telling stories through digital threads. Recommended session at International Society for Technology in Education, Denver, CO.

Bigenho, C. (2010, June). Twitter goes to school: Telling stories through digital threads. Recommended session at International Society for Technology in Education, Denver, CO.

Bigenho, C. (2010, June). The power of the social: Leveraging the social for personal and institutional change. Keynote address given at SummerSpark Conference, Arlington, TX.

Bigenho, C. (2010, June). Cognitive considerations for today's pedagogy. Session at SummerSpark Conference, Arlington, TX.

Bigenho, C. (2010, June). The importance of developing self-regulatory learning practices. Session at SummerSpark Conference, Arlington, TX.

Lin, L. and **Bigenho, C.** (2010, May). Note Taking, cognitive load, and word recall in different media environments. Paper session at Annual Meeting of the American Educational Research Association, Denver, CO.

Bigenho, C. (2010, May). Proposed theory of developing synergistic knowledge. Roundtable session at Annual Meeting of the American Educational Research Association, Denver, CO.

Bigenho, C., Najmi, A., & Alajmi, M. (2010, May). Virtual orientation environment: A pilot study of participant attitudes and experiences. Roundtable session at Annual Meeting of the American Educational Research Association, Denver, CO.

Bigenho, C. (2010, April). The power of the social: Leveraging the social for personal and institutional change. Keynote address given at the Independent Schools Association of the Southwest Technology Director's conference. Dallas, TX.

Lin, L., **Bigenho, C.** (2010, March). Cognitive load in different environments: When does note-taking help memory recall? Annual meeting of the Society for Information Technology and Teacher Education. San Diego, CA.

Bigenho, C. (2010, March). How can we design with games? Workshop presented at the Texas Distance Learning Association, Houston, TX.

Bigenho, C. (2010, March). Twitter goes to school: Telling stories through digital threads. Presentation at the Texas Distance Learning Association, Houston, TX.

Bigenho, C. (2010, February). Best practicing in distance learning. Presentation at National Association of Independent Schools Annual Conference, San Francisco, CA.

Bigenho, C. (2010, February). Lessons cloaked in the power of narrative. Presentation at National Association of Independent Schools Annual Conference, San Francisco, CA.

2009

Bigenho, C. (2009, December). Lessons in the Wind: Connecting Ideas, People and Knowledge through Today's Classrooms. Keynote Address at AdvanceED Latin America-International Administrators Conference, Atlanta, GA.

Warren, S., Dondlinger, M., **Bigenho, C.** (2009, October). Examining four games for learning: Research-based lessons learned from five years of learning game design and development. Presentation at AECT annual convention, Louisville, KY, (Peer reviewed).

Warren, S., Najmi, A., **Bigenho, C.** (2009, October). Transforming instruction: Increasing the presence of SOTL principles in an undergraduate course redesign. Presentation at AECT annual convention, Louisville, KY, (Peer reviewed).

Bigenho, C. (2009, October). Games that teach: Learning through alternate reality games. Webinar to Blackboard Certified Trainer Program.

Bigenho, C. and Blackburn, R. (2009, October). Gaming and narrative: Fact or Fiction. Full-day workshop at the Texas Blackboard User Group 2009 annual meeting, Nacogdoches, TX, (Peer reviewed).

Bigenho, C. (2009, October) Twitter It!. Presentation at the Texas Blackboard User Group 2009 annual meeting, Nacogadoches, TX, (Peer reviewed).

Bigenho, C. (2009, August). [Learning through alternate reality gaming](#). Online presentation for Classroom 2.0 Live.

Bigenho, C. (2009, August). The blogger revealed: Reflecting on the power of digitally enhanced learning. Keynote speaker for Integrated Technology Symposium for School Leaders: Digital Tools and Practices to Enhance Learning Across the Curriculum. The Urban School, San Francisco, CA.

Bigenho, C. (2009, July). [Telling stories with digital threads](#). Online presentation for Classroom 2.0 Live.

Bigenho, C. (2009, July). Learning through alternate reality gaming. Presentation for NECC Unplugged at the 2009 National Educational Computing Conference, Washington, D.C.

Bigenho, C. (2009, July). Telling stories with digital threads. Presentation for NECC Unplugged at the 2009 National Educational Computing Conference, Washington, D.C.

Bigenho, C. (2009, March). Learning through alternate reality gaming. Presentation at the 2009 meeting of the Texas Distance Learning Association, Corpus Christi, TX.

Bigenho, C., and Kahn, L. (2009, February). What is your message: The power of 21st century communications. Presentation at the 2009 annual conference for the National Association of Independent Schools, Chicago, IL.

Bigenho, C. (2009, February). Learning through alternate reality gaming. Presentation at the 2009 annual conference for the National Association of Independent Schools, Chicago, IL.

2008

Bigenho, C. and Blackburn, R. (2008, July). 21st century tools and pedagogy in modern classrooms: A transformational process. Two day workshop for all faculty and staff at Colegio Hacienda Los Alcaparros, Bogota, Colombia, South America.

Bigenho, C. (2008, June). The digital immigrant: A crash course. A two-hour hands-on presentation for the Independent School Association of the Southwest (ISAS) 2008 annual Heads Meeting, Colorado Springs, CO.

Bigenho, C. (2008, March). Cognitive considerations for online, interactive media rich environments. Presentation at the annual meeting of Texas Distance Learning Association 2008, Galveston, TX, (Peer reviewed).

Bigenho, C. (2008, February). Web 2.0 revealed: Exploring the possibilities while keeping it real. Presentation at the annual conference for the National Association of Independent Schools, New York City, NY.

Bigenho, C. (2008, February). Connecting with 21st Century Alums: Exploration of emerging communications. Presentation at the annual conference for the National Association of Independent Schools, New York City, NY.

Bigenho, C. (2008, February). Tapping into the world of the digital native: Exploring a 21st century education. Featured speaker presentation at the 2008 Independent Schools of the Southwest, Teachers Conference. Houston, TX.

Bigenho, C. (2008, February). Cyberbullying: Old problem in a new venue. Presentation for parents association of Greenhill School, Dallas, TX.

Bigenho, C. (2008, November) Cyberbullying: Old problem in a new venue. Presentation for parents association of private school in Dallas, TX.

2007

Bigenho, C.W. (2007, March). A Day in the Life of your Child Online. Full-day workshop for lower school parents at Greenhill School, Dallas, TX.

Bigenho, C.W. (2007, March). A River Runs Through It. Presentation at the annual meeting of Texas Distance Learning Association 2007, Galveston, TX, (Peer reviewed).

Bigenho, C.W., and Blackburn, R.D. (2007, March). [Blogs, Wikis, and Social Bookmarking, Oh My!](#) Presentation at the annual meeting of Texas Distance Learning Association 2007, Galveston, TX, (Peer reviewed).

Bigenho, C.W., and Blackburn, R.D. (2007, March). [Speak Like a Digital Native](#). Presentation at the annual meeting of Texas Distance Learning Association 2007, Galveston, TX, (Peer reviewed).

Bigenho, C.W. , (2007, February). [Tapping into the World of the Digital Native](#). Presentation at the annual conference for the National Association of Independent Schools, Denver, CO.

Bigenho, C.W. , (2007, February). [Accelerating Educational Reform through the World of the Digital Native](#). Workshop delivered at the annual conference for the National Association of Independent Schools, Denver, CO.

Bigenho, C.W. (2007, February). 21st Century Skills for Parents: Tapping into the Power of the Internet. Presentation to lower school parents at Greenhill School, Dallas, TX.

Bigenho, C.W. , (2007, January). [Exploring the World of the Digital Native](#). Presentation at the CASE-NAIS Independent schools Conference, Philadelphia, PA.

Bigenho, C.W. (2007, January). Your kids are home but do you really know where they are? Internet safety presentation to lower school parents at Greenhill School, Dallas, TX.

2006

Bigenho, C.W. and Blackburn, R.D., (2006, October). [Frontier of Emerging Technology: How to Incorporate Social Software into Your WebCT Courses](#). Workshop presented at the annual WebCT Texas Users Conference-2006, College Station, TX, (Peer reviewed).

Bigenho, C.W. (2006, October). [A River Runs Through It...K-12 Experiences in Blended Learning and What that Means for Higher Education Downstream](#). Presentation at the annual WebCT Texas Users Conference-2006, College Station, TX, (Peer reviewed).

Bigenho, C.W. (2006, March). [Your kids are home but do you really know where they are?](#) Internet safety presentation to upper school parents at Greenhill School, Dallas, TX.

Blackburn , R.D., and **Bigenho, C.W.** (2006, March). [How to get your faculty engaged](#). Presentation at the annual meeting of Texas Distance Learning Association 2006, San Antonio, TX, (Peer reviewed).

Bigenho, C.W. , and Blackburn, R.D. (2006, March). [Tapping into the World of the Digital Native](#). Presentation at the annual meeting of Texas Distance Learning Association 2006, San Antonio, TX, (Peer reviewed).

Bigenho, C.W. (2006, February). [Speaker's panel: Technology and education](#). Presentation at Annual Independent Schools of the Southwest, Teachers Conference- 2006. Albuquerque, NM.

2005

Bigenho, C.W. (2005, December). RSS Technologies for Online Courses. Presentation delivered to the IMBA faculty of the University of Dallas- College of Business, Graduate School of Management, Dallas, TX.

Bigenho, C.W. , and Gazi, YI, (2005, October). Introduction to Multimedia for Coursework Part I. Presentation at the annual conference of WebCT Texas 2005, San Antonio, TX, (Peer reviewed).

Bigenho, C.W. , and Gazi, YI, (2005, October). Introduction to Multimedia for Coursework Part II. Presentation at the annual conference of WebCT Texas 2005, San Antonio, TX, (Peer reviewed).

Blackburn , R.D., and **Bigenho, C.W.** (2005, July). Training Faculty: How different can it be? Presentation at the annual meeting for the WebCT Impact 2005 Conference, San Francisco, CA, (Peer reviewed).

Blache, M., **Bigenho, C.W.**, Murray, J. (2005, June). Digital Photography, Image Editing and Streaming Still Images. Presentation at the National Educational Computing Conference 2005, Philadelphia, PA, (Peer reviewed).

Bigenho, C.W. (2005, March). Facilitator- Birds of a Feather Session: Learning and the Web K12. Presentation at the annual meeting of the Texas Distance Learning Association 2005, Fort Worth, TX, (Peer reviewed).

2004

Blache, M., **Bigenho, C.W.**, Murray, J. (2004, June). Digital Photography, Image Editing and Streaming Still Images. Presentation at the National Educational Computing Conference 2004, New Orleans, LA, (Peer reviewed).